



S. S. PAPADOPULOS & ASSOCIATES, INC.
ENVIRONMENTAL & WATER RESOURCE CONSULTANTS

INVOICE

Client:

US Environmental Protection Agency

RTP Finance Center
(AA216-01)
109 TW Alexander Drive
Durham, NC 27711
Mr. Daniel Olsson

Invoice #:	23707
Date:	10/13/2021
Project Name:	EPA R5: Hydrogeologic Synthesis & Modeling Support
Project #:	1725

Comments:

GSA Contract #GS-10F-0462M
Order No.: 68HE0520F0029

Remit Payment To: S. S. Papadopoulos & Associates, Inc.
1801 Rockville Pike - Suite 220
Rockville, MD 20852
Phone: (301) 718-8900

For Services Rendered Through 9/30/2021

002-01-10 - 0001AB-Union Carbide Corporation Superfund Site

Professional Services

Employee Type

Associate

Spiliotopoulos, Alexandros

Hours

Rate

Amount

████

████

\$2,274.38

Sr. Project Hydrogeologist/Sci

Sorel, Dominique

████

████

\$146.41

Technician/Draftsperson

Pekoske, Kristen M

████

████

\$173.48

Labor Subtotal

████

\$2,594.27

Reimbursables

Activity/Vendor

Color copy 600 DPI

ZEXP - Internal Project Charges

Invoice

Date

Cost

Mult

Amount

09182021

9/30/2021

████

████

\$4.75

Reimbursable Subtotal	\$4.75
Item Subtotal	\$2,599.02

003-01-10 - 0001AC-St. Regis Paper Company Superfund Site

Professional Services

Employee Type

Associate

Spiliotopoulos, Alexandros

Hours	Rate	Amount
		\$545.85

Project 1725 EPA R5: Hydrogeologic Synthesis & Modeling Support

Invoice 23707

Sr. Project Hydrogeologist/Sci

Sorel, Dominique

[REDACTED]

[REDACTED]

\$292.82

Technician/Draftsperson

Pekoske, Kristen M

[REDACTED]

[REDACTED]

\$115.65

Labor Subtotal

[REDACTED]

\$954.32**Outside Consultants**Activity/VendorInvoiceDateCostMultAmount

Subterranean Research, Inc.

SSP20201-I20

9/30/2021

[REDACTED]

[REDACTED]

\$416.34

Outside Consultants Subtotal**\$416.34****Item Subtotal****\$1,370.66****004-00-10 - 0001AD-Pristine Superfund Site****Professional Services**Employee TypeHoursRateAmount

Sr. Hydrogeologist/Sci.

Mihm, Kathleen

[REDACTED]

[REDACTED]

\$322.98

Sr. Project Hydrogeologist/Sci

Karanovic, Marinko

[REDACTED]

[REDACTED]

\$732.05

Perozo, Erica L. DiFilippo

[REDACTED]

[REDACTED]

\$512.44

Sorel, Dominique

[REDACTED]

[REDACTED]

\$146.41

Technician/Draftsperson

Pekoske, Kristen M

[REDACTED]

[REDACTED]

\$154.20

Labor Subtotal

[REDACTED]

\$1,868.08**Item Subtotal****\$1,868.08****005-01-10 - 0001AE-Chemical Recovery Systems Superfund Site****Professional Services**Employee TypeHoursRateAmount

Principal

Andrews, Charles B

[REDACTED]

[REDACTED]

\$231.30

Sr. Project Hydrogeologist/Sci

Sorel, Dominique			\$3,147.82
Technician/Draftsperson			
Pekoske, Kristen M			\$173.48
Support Personnel			
Penzes, Sophie			\$67.80
Labor Subtotal			\$3,620.40

Reimbursables

<u>Activity/Vendor</u>	<u>Invoice</u>	<u>Date</u>	<u>Cost</u>	<u>Mult</u>	<u>Amount</u>
In-House Reproduction Costs					
ZEXP - Internal Project Charges	09182021	9/30/2021	████	████	\$4.20
Reimbursable Subtotal					\$4.20
Item Subtotal					\$3,624.60

007-01-10 - 0001AG-Lemberger Transport & Recycling Superfund Sites**Professional Services**

<u>Employee Type</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Associate			
Spiliotopoulos, Alexandros	████	████	\$181.95
Technician/Draftsperson			
Pekoske, Kristen M	████	████	\$77.10
Labor Subtotal	████		\$259.05

Outside Consultants

<u>Activity/Vendor</u>	<u>Invoice</u>	<u>Date</u>	<u>Cost</u>	<u>Mult</u>	<u>Amount</u>
Subterranean Research, Inc.	SSP20201-I20	9/30/2021	████	██	\$277.56
Outside Consultants Subtotal					\$277.56
Item Subtotal					\$536.61

008-01-10 - 0001AH-Hedblum Industries Superfund Site**Professional Services**

<u>Employee Type</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Principal			
Tonkin, Matthew J	████	████	\$462.60
Sr. Project Hydrogeologist/Sci			
Sorel, Dominique	████	████	\$2,635.38
Staff Hydrogeologist/Sci.			
Adams, Glen	██	████	\$77.66
Technician/Draftsperson			

Pekoske, Kristen M

\$134.92

Labor Subtotal

\$3,310.57

Outside Consultants

<u>Activity/Vendor</u>	<u>Invoice</u>	<u>Date</u>	<u>Cost</u>	<u>Mult</u>	<u>Amount</u>
Subterranean Research, Inc.	SSP20201-I20	9/30/2021			\$1,434.06
Outside Consultants Subtotal					\$1,434.06
Item Subtotal					\$4,744.63

Page 3 of 6

009-01-10 - 0001AI-SE Rockford**Professional Services**

<u>Employee Type</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Principal			
Tonkin, Matthew J	██	██	\$462.60
Associate			
Spiliotopoulos, Alexandros	██	██	\$181.95
Sr. Project Hydrogeologist/Sci			
Sorel, Dominique	██	██	\$3,294.22
Prj. Hydrogeologist/Sci.			
Cousins, S. James	██	██	\$1,130.92
Karanovic, Zdravka	█	██	\$66.52
Shannon, Rachel	██	██	\$1,463.55
Sr. Staff Hydrogeologist/Sci.			
O'Connell, Matthew T	██	██	\$5,150.11
Staff Hydrogeologist/Sci.			
Adams, Glen	█	██	\$77.66
Technician/Draftsperson			
Pekoske, Kristen M	█	██	\$57.82
Labor Subtotal	██		\$11,885.39
Item Subtotal			\$11,885.39

010-01-10 - 0001AJ-Forest Waste Superfund Site**Professional Services**

<u>Employee Type</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Principal			
Tonkin, Matthew J	██	██	\$1,850.40
Associate			
Neville, Christopher	██	██	\$181.95
Sr. Hydrogeologist/Sci.			
Mihm, Kathleen	██	██	\$1,130.43

Sr. Project Hydrogeologist/Sci

Karanovic, Marinko			\$1,390.90
Sorel, Dominique			\$5,051.14

Prj. Hydrogeologist/Sci.

Cousins, S. James			\$133.05
Karanovic, Zdravka			\$4,656.75
Shannon, Rachel			\$5,322.00
Slawter, Kristen EM			\$798.30

Project 1725 EPA R5: Hydrogeologic Synthesis & Modeling Support

Invoice 23707

Staff Hydrogeologist/Sci.			
Nelson, Leah I			\$8,826.78
Technician/Draftsperson			
Pekoske, Kristen M			\$212.02
Labor Subtotal			\$29,553.75
Item Subtotal			\$29,553.75

011-01-10 - 0001AK - Motor Wheel Tire Disposal

Professional Services

Employee Type	Hours	Rate	Amount
Principal			
Tonkin, Matthew J			\$346.95
Sr. Project Hydrogeologist/Sci			
Sorel, Dominique			\$1,390.90
Technician/Draftsperson			
Pekoske, Kristen M			\$115.65
Labor Subtotal			\$1,853.50
Item Subtotal			\$1,853.50

014-01-10 - 0001AN - Springfield

Professional Services

Employee Type	Hours	Rate	Amount
Sr. Project Hydrogeologist/Sci			
Perozo, Erica L. DiFilippo			\$1,390.90
Sorel, Dominique			\$73.20
Prj. Hydrogeologist/Sci.			
Shannon, Rachel			\$133.05
Staff Hydrogeologist/Sci.			
Adams, Glen			\$207.08
Technician/Draftsperson			
Pekoske, Kristen M			\$134.92
Rutledge, Devon R			\$5,666.85

\$7,606.02

\$7,606.02

\$7,606.02

\$7,606.02

Hours	Rate	Amount
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[illegible]

██████████ ██████████ \$1,156.50

Project 1725 EPA R5: Hydrogeologic Synthesis & Modeling Support

Invoice 23707

Sr. Project Hydrogeologist/Sci

Perozo, Erica L. DiFilippo



\$3,001.40

Sorel, Dominique



\$1,683.72

Prj. Hydrogeologist/Sci.

Shannon, Rachel



\$399.15

Staff Hydrogeologist/Sci.

Adams, Glen



\$284.74

Technician/Draftsperson

Pekoske, Kristen M



\$308.40

Labor Subtotal



\$6,833.92

Item Subtotal

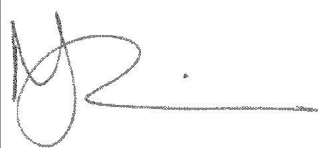
\$6,833.92

Invoice Amount

\$72,476.18

Project Summary

Budget	Previously Billed	Current Billing	Billed To Date	Budget Remaining
\$2,278,922.47	\$867,206.56	\$72,476.18	\$939,682.74	\$1,339,239.73



Matthew J. Tonkin
 Project Manager
 S.S. Papadopoulos & Associates, Inc.
 505 N. Pine St., Williamsfield, IL 61489-9517
 Web: www.ssipa.com // Email: matt@ssipa.com // Skype: mattssipa
 Office: (309) 616 9060 // Cell: (508) 815-9886



S.S. PAPADOPULOS & ASSOCIATES, INC.
ENVIRONMENTAL & WATER-RESOURCE CONSULTANTS

Site Specific Detail Report

EPA TASK ORDER #: 68HE0520F0029

GSA Contract #GS-10F-0462M

Inv. #23707

Reporting Period: 11 February 2020 through September 30, 2021

subClin	Site/Project Title	Job Number			Current Charges	Cumulative Charges
		SSID	Action Code	OU	Inv. #23707	
0001AA	Ottawa Township Flat Glass Superfund Alternative Site	B5A7	NK	03	\$ -	\$ 63,759.26
0001AA	Ottawa Township Flat Glass Superfund Alternative Site	B5A7	NK	04	\$ -	\$ 63,759.25
0001AB	Union Carbide Corporation Superfund Site	05F4	BF	02	\$ 2,599.02	\$ 61,767.94
0001AC	St. Regis Paper Company Superfund Site	05J2	OM	00	\$ 1,370.66	\$ 60,952.40
0001AD	Pristine Superfund Site	0556	ME	05	\$ 1,868.08	\$ 270,682.09
0001AE	Chemical Recovery Systems Superfund Site	0521	BE	01	\$ 3,624.60	\$ 131,980.15
0001AF	Lemberger Landfill Superfund Sites	053E	FE	00	\$ -	\$ 322.34
0001AG	Lemberger Transport & Recycling Superfund Site	05J4	FE	00	\$ 536.61	\$ 7,342.53
0001AH	Hedblum Industries Superfund Site	05E9	ME	01	\$ 4,744.63	\$ 43,987.93
0001AI	SE Rockford Superfund Site	05DK	OM	02	\$ 11,885.39	\$ 56,909.72
0001AJ	Forest Waste Superfund Site	05D5	BF	02	\$ 29,553.75	\$ 98,378.65
0001AK	Motor Wheel Disposal Superfund Site	05S5	FE	00	\$ 1,853.50	\$ 27,092.09
0001AL	Verona Well Field Superfund Site	0551	TA	01	\$ -	\$ -
0001AL	Verona Well Field Superfund Site	0551	TA	02	\$ -	\$ 23,986.02
0001AM	Hagen Farm Superfund Site	053C	ME	02	\$ -	\$ 11,459.24
0001AN	Springfield Township Dump Superfund Site	05A7	OM	01	\$ 7,606.02	\$ 9,671.54
0001AO	Bendix Superfund Site	05AS	TA	01	\$ 6,833.92	\$ 7,631.59
Total					\$ 72,476.18	\$ 939,682.74

1725_summary table thru 0930021.xlsx



S.S. PAPADOPULOS & ASSOCIATES, INC.
ENVIRONMENTAL & WATER-RESOURCE CONSULTANTS

EPA Region 5 Support
Description of Services Performed
Period of Performance:
Through September 2021

1725-001-01-10 0001AA-Ottawa Township Flat Glass Superfund Alternative Site

No activity during this period.

1725-002-01-10 0001AB-Union Carbide Corporation Superfund Site

Services were performed by the following SSP&A staff:

Staff	Hours
Alexandros Spiliotopoulos	██████
Dominique Sorel	██████
Kristen Pecoske	██████

During this period, A. Spiliotopoulos reviewed UCC's responses to EPA comments on the well survey/workplan, reviewed monthly reporting, and worked on correspondence and material for performance evaluation. He also worked on calculations on concentration trends and water levels, prepared for a meeting with UCC/EPA, joined a call with C. Moynihan and prepared for a call with UCC. D. Sorel worked on the monthly report. K. Pecoske worked on the deliverables table and the monthly report.

1725-003-01-10 0001AC-St. Regis Paper Company Superfund Site

Staff	Hours
Alexandros Spiliotopoulos	██████
Dominique Sorel	██████
Kristen Pecoske	██████

During this period, A. Spiliotopoulos spent time reviewing the project, reviewed the 2020 annual report and IP responses, and worked on the OU9 GW report. D. Sorel worked on the monthly report, received documents, and communicated with the EPA RPM. K. Pecoske worked on the deliverables table and

the monthly report.

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www.sspa.com • e-mail: mtonkin@sspa.com**

**1725-004-01-10 0001AD-Pristine Superfund Site Systems**

Staff	Hours
Kathleen Mihm	■
Marinko Karanovic	■
Erica Perozo	■
Dominique Sorel	■
Kristen Pekoske	■

During this period, K. Mihm joined a conference call, reviewed 4dim, and reviewed the conceptual site model. M. Karanovic reviewed EVS files received from GHD. E. Perozo joined a call with GHD regarding visualization, joined a call with EPA, and edited the regional contamination memo. D. Sorel worked on the monthly report. K. Pekoske worked on the deliverables table and the monthly report.

1725-005-01-10 0001AE-Chemical Recovery Systems Superfund Site

Staff	Hours
Dominique Sorel	■
Charles Andrews	■
Kristen Pekoske	■
Sophie Penzes	■

During this period, D. Sorel worked on the monthly report, prepared for PFAS Split Sampling, communicated with M. Kerr, and obtained travel authorization from D. Olsson. She also worked on the vapor intrusion sampling memo, had a discussion with C. Andrews, prepared a figure, worked on a summary of recommendations, reviewed the proposed manhole VI sampler procedure, and prepared the summary memo. Finally, D. Sorel transmitted the draft summary memo to EPA and planned the CRS sampling event. C. Andrews reviewed the soil gas plan for D. Sorel. K. Pekoske worked on the deliverables table, project organization, and the monthly report. S. Penzes worked on travel projection rates and travel arrangements for D. Sorel.

007-01-10 - 0001AG-Lemberger Transport & Recycling Superfund Sites

Staff	Hours
Alexandros Spiliotopoulos	■
Kristen Pekoske	■

Kristen Pekoske	
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During this period, A. Spiliotopoulos reviewed the project. K. Pekoske worked on the deliverables table and the monthly report.

1725-008-01-10 0001AH-Hedblum Industries Superfund Site

Staff	Hours
Dominique Sorel	

Page 3

Staff	Hours
Glen Adams	■
Matthew Tonkin	■
Kristen Pekoske	■

During this period, D. Sorel worked on the monthly report and joined a conference call regarding VI sampling. She communicated with M. Tonkin, D. Dougherty, and EPA, finalizing and transmitting comments on “Hedblum Industries Superfund Site, Oscoda, MI (SR-6J), Proposed Supplemental Soil Gas Sampling Locations and Procedures”. She also corresponded with D. Dougherty and J. McHugh regarding an email archive, joined the monthly conference call, and finalized and transmitted a letter to EPA on sample locations. G. Adams worked on georeferencing, digitizing and editing images for D. Sorel for a soil gas sampling figure. M. Tonkin reviewed location maps and met with EPA to discuss VI sampling locations. He also discussed soil vapor locations, worked on a soil vapor sample map and memo, and reviewed and edited memo to EPA. K. Pekoske worked on the deliverables table and the monthly report.

1725-009-01-10 0001AI-SE Rockford

Staff	Hours
Alexandros Spiliotopoulos	■
Dominique Sorel	■
S. James Cousins	■
Zdravka Karanovic	■
Rachel Shannon	■
Matthew O’Connell	■
Glen Adams	■
Matthew Tonkin	■
Kristen Pekoske	■

During this period, A. Spiliotopoulos reviewed the project. D. Sorel worked on data analysis and provided instructions to M. O’Connell. She reviewed trend analysis with M. O’Connell and M. Tonkin, met with R. Shannon to discuss plume mapping, and corresponded with EPA to prepare for the status meeting. Additionally, she joined a call with the EPA RPM to discuss plume mapping and data needs; and joined another call with the EPA RPM to discuss trend calculations, outputs, assumptions, and data needs. Finally, she followed up with R. Shannon and M. O’Connell. S.J. Cousins worked on spatial analysis/figures. Z. Karanovic updated the database. R. Shannon reviewed and compiled data

spatial analysis and figure creation. He updated the database, ran statistical tests, and compared data for plume maps and then worked on the plume maps. M. O'Connell worked on trend calculations and plots. He spent time on trend plot exceedance, direction indicators, ProUCL calculations, water-level trends covariate, and tables. Additionally, he updated trend calculations and maps and joined a call. G. Adams worked on georeferencing and digitizing wells. M. Tonkin reviewed the initial trend and data plots. He then pre-viewed trends from M. O'Connell and called D. Sorel to go over the results. K. Pekoske worked on the monthly report.

1725-010-01-10 001AJ-Forest Waste Superfund Site

Staff	Hours
Christopher Neville	
Kathleen Mihm	
Marinko Karanovic	
Dominique Sorel	
S. James Cousins	
Zdravka Karanovic	
Rachel Shannon	
Kristen Slawter	
Leah Nelson	
Matthew Tonkin	
Kristen Pekoske	

During this period, C. Neville participated in the monthly update teleconference. K. Mihm discussed geology with L. Nelson. She reviewed data, worked on the draft geology memo addressing questions from D. Wilson, responded to D. Wilson, worked on figures, and joined a technical discussion. M. Karanovic updated EVS files with old geology and joined an internal conference call. D. Sorel joined a 1,4 Dioxane plume mapping session with R. Shannon, worked on 1,4 Dioxane plume analysis, and followed up on geology mapping with R. Shannon and L. Nelson. She worked on the geology conceptual site model memo questions from D. Wilson, joined a work session with L. Nelson, had several calls with K. Mihm, and transmitted a draft memo to EPA. She also worked on plume mapping with R. Shannon and requested a document from EPA (CSM report). Additionally, D. Sorel spent time on 1,4 Dioxane residential well review; followed up with K. Slawter; joined geology mapping work sessions with M. Karanovic and L. Nelson; communicated with K. Mihm, M. Tonkin, and D. Wilson; and communicated with staff regarding CTech/EVS. Finally, she reviewed D. Wilson's question to C. Neville, participated in the monthly conference call, reviewed C. Neville's response to D. Wilson's question on the hydraulic test, joined a RAO discussion, and prepared a draft memo on data discrepancies. S.J. Cousins worked on spatial analysis. Z. Karanovic joined a meeting and worked on and updated the database. R. Shannon spent time on data review and plume maps. She compiled data for plume maps, reviewed documents, and updated the database. K. Slawter worked on a response to the PRP and laboratory comments on 1,4-Dioxane detections. L. Nelson worked on the response to the Draft geology memo, confirming clay in boring logs and discussing with K. Mihm. She conducted a quaternary geology history search, worked on the database, and met with D. Sorel and R. Shannon. She also changed location coordinates in the database, worked on the draft memo, and revised figures.

Additionally, L. Nelson worked on aquifer zone assignments, found and wrote up inconsistencies in the database, read the EPA response memo, and met with D. Sorel. She also met with D. Sorel and M. Karanovic, added geology to EnviroInsite, found old boring logs, worked on the EI database and the 1,4 Dioxane zone assignments, and spent additional time on the EPA memo response. M. Tonkin reviewed draft materials; joined a netmeeting with D. Sorel and R. Shannon; and reviewed 2D and 3D 1,4 Dioxane plumes and compared them with previous plumes, new data, and 3D geology. He held an internal meeting and joined a call with EPA. Additionally, M. Tonkin re-reviewed the draft remedy plan document; attended a status call with EPA, PRP and consultants on remedy design and modeling work that's underway; and joined an internal call on Forest Waste issues and concerns. He also



Page 5

discussed, reviewed, and wrote interim RAOs, reviewed the conceptual site model, and discussed the 3D geology update as a basis for design. Finally, M. Tonkin joined a netmeeting to go over the conceptual site model, geology, and RAOs; joined several calls with C. Neville; and corresponded with EPA regarding RAOs. K. Pekoske worked on the deliverables table and the monthly report. She also formatted a memo and worked on project organization.

1725-011-01-10 0001AK - Motor Wheel Tire Disposal

Staff	Hours
Dominique Sorel	■
Matthew Tonkin	■
Kristen Pekoske	■

During this period, D. Sorel reviewed the soil gas report, formulated comments, prepared a draft presentation and started a memo for EPA. She also participated in the site meeting via teleconference and worked on the monthly report. M. Tonkin worked on the soil vapor/soil intrusion evaluation and presentation, with a follow up with EPA. K. Pekoske worked on the deliverables table and the monthly report.

1725-012-01-10 0001AL - Verona Wells - OU2

No activity during this period.

1725-013-01-10 0001AM - Hagen Farm

No activity during this period.

1725-014-01-10 0001AN – Springfield

Staff	Hours
Erica Perozo	■
Dominique Sorel	■
Rachel Shannon	■
Glen Adams	■
Kristen Pekoske	■
Devon Rutledge	■

During this period, E. Perozo joined two calls with EPA, extracted data and boring logs, and worked on the database. D. Sorel worked on the basemap and missing map locations. R. Shannon joined a call with the client and worked on water-level maps. G. Adams searched for data in previous documents and updated ArcMap and GWD with new well data. K. Pekoske worked on the deliverables table and the monthly report. D. Rutledge extracted relative data for E. Perozo and worked on data entry.

1725-015-01-10 0001AO – Bendix

Staff	Hours
Erica Perozo	■
Dominique Sorel	■
Rachel Shannon	■
Glen Adams	■
Matthew Tonkin	■
Kristen Pekoske	■

During this period, E. Perozo joined a call with D. Sorel and the client, had a discussion regarding the database, and joined several calls with EPA. She also joined a call with M. Tonkin and D. Sorel, discussed the database with R. Shannon, worked on the database, reviewed reports, and worked on GIS. Finally, E. Perozo worked on database additions, water-level mapping, and shiny tools. D. Sorel joined the kickoff call with EPA and E. Perozo. She also participated in the conference call with EPA, DOJ, Bosch, and Woodward & Curran and followed up. Finally, D. Sorel worked on the monthly report and joined two more conference calls. R. Shannon worked on EQuIS and concentration database setup and database updates. G. Adams worked on georeferencing, digitizing, and setting up project files. He also reprojected aerial imagery for E. Perozo. M. Tonkin attended the Bendix conference call (missed the first half hour due to schedule conflict), had a call with EPA to discuss action items, and joined the status call with EPA. He reviewed documents, commenced data compilation, and identified steps for analyses. Additionally, he reviewed the water-level data sets, approaches, screened intervals, and first analysis implementation. Finally, M. Tonkin reviewed and corresponded with E. Perozo on water-level mapping approach with MEUK/boundaries, capture zone, and online data plotting methods; and reviewed prior 2017 analyses. K. Pekoske worked on the deliverables table and the monthly report. She also added documents to Endnote and provided a list of documents to E. Perozo.

Subterranean Research, Inc.

Services were performed by Subterranean on the following tasks, through September:

Site	Hours
St. Regis	■
Lemberger Landfill	■
Lemberger Transport and Recycling	■

Hedblum	62
Hagen Farm	



Page 7

Work completed by Subterranean during this period is described on their attached invoice.

S.S. PAPADOPULOS & ASSOCIATES, INC.

Summary completed by:

A handwritten signature in cursive script that reads "Dominique Sorel".

Dominique Sorel
Alternate Project Manager

Summary reviewed by:

A handwritten signature in cursive script, appearing to be "MT", followed by a horizontal line.

Matthew Tonkin
Project Manager

September 1, 2021 - September 30, 2021

Expense Code 1901 - Color copies 600 DPI

@\$0.25

Project Number	Number of Copies
1193-004	2
1473-9-005	
1614-001	7
1623-406	3
1644-001	13
1725-002	19
1764-001	19
6030	
899	582
Plank	9

Expense Code 1901 - Color copies 2400 DPI 8.5X11

@\$1.25

Project Number	Number of Copies
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Expense Code 1901 - Color copies 2400 DPI 11X17

@\$2.00

Project Number	Number of Copies
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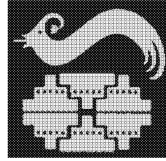
Expense Code 1911 - HP Color Plotter

@\$10 per sq

Project Number		Number of Plots		Sq. Ft	
=====	=====	=====	=====	=====	=====

**IN HOUSE REPRODUCTION COSTS
FOR BILLING PERIOD 7
September 01, 2021 - September 30, 2021**

SSP-	1614-001	2.16
SSP-	1644-001	0.12
SSP-	1725-005	4.20
SSP-	6030	0.00
SSP-	Plank	0.00
SSP-	0899	136.92



DAVID E. DOUGHERTY
SUBTERRANEAN RESEARCH, INC.
121 BEACH STREET, UNIT 301
BOSTON, MA 02111-2501
(781)-710-1448
DDOUGHER@SUBTERRA.COM

4 October 2021

Jeanne Bailey
S. S. Papadopoulos & Associates, Inc.
1801 Rockville Pike
Suite 200
Rockville, MD 20852

RE: Invoice ID: SSP20201-I20/SSP20201-20/FINAL
Invoice Period: Through 30 September 2021
SSP&A Project No.: 1725


Dear Ms. Bailey:

Enclosed is an invoice for the billing period through 30 September 2021. This is the final invoice we will submit under this subcontract with SSP&A. A monthly progress report was sent to Dominique Sorel separately.

Please contact me with any questions (ddougher@subterra.com or 781-710-1448).

Sincerely yours,

SUBTERRANEAN RESEARCH, INC.



David E. Dougherty

Enclosures: Executed invoice

cc: D. Sorel, M. Tonkin

Subterranean Research, Inc.
121 Beach St., Unit 301
Boston, MA 02111-2501

Date: 4 October 2021

INVOICE TO:
S. S. Papadopoulos & Associates, Inc.
1801 Rockville Pike
Suite 200
Rockville, MD 20852

RE: Our Invoice ID: SSP20201-I20/SSP20201-20/FINAL
Invoice Period: Through 30 September 2021
SSP&A Project No.: 1725

SubClin#	Description	Current SRI Hours	Labor Rate	Current SRI Labor \$\$	Current Other SRI Expense	Current Other SRI Expense \$\$	Current SRI Total \$\$	SRI Total \$\$ Since 2/10/2020
0001AC	St. Regis	1.8	\$231.30/hr	\$416.34	None	\$0.00	\$416.34	\$51,284.76
0001AF	Lemberger Landfill	0.0	\$231.30/hr	\$0.00	None	\$0.00	\$0.00	\$0.00
0001AG	Lemberger Transport & Recycling	1.2	\$231.30/hr	\$277.56	None	\$0.00	\$277.56	\$6,610.81
0001AH	Hedblum	6.2	\$231.30/hr	\$1,434.06	None	\$0.00	\$1,434.06	\$33,805.83
0001AM	HagenFarm	0.0	\$231.30/hr	\$0.00	None	\$0.00	\$0.00	\$4,602.87
Total Billing:		9.2		\$2,127.96		\$0.00	\$2,127.96	\$96,304.27

* NOTE: Differences of pennies may occur due to rounding and accumulation.

Site	# Hrs	Activities
St. Regis	1.8	Receive revised 2020AR; Conference calls; Telephone; Email.
Lemberger Landfill	0.0	<See Lemberger Transport & Recycling>
Lemberger Transport & Recycling	1.2	Receive 2021Q1 and 2021Q2 data; Conference call; Telephone; Email.
Hedblum	6.2	Receive revised QAPP and VI workplan; Review VI workplan; VI investigation planning with regulators; Receive 2020Q2 report for review; Conference calls; Telephone; Email.
Hagen Farm	0.0	No activity.

Prepared by:


David E. Dougherty

Date: 6 October 2021

